

Serial No. 10/080,114
Amendment Dated February 22, 2006
Reply to Office Action of December 29, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An isolated polynucleotide which encodes a polypeptide with sucrose synthase activity comprising a member selected from the group consisting of:
 - ~~(a) a polynucleotide having at least 95% sequence identity, as determined by the GAP algorithm under default parameters, to the polynucleotide of SEQ ID NO: 1 or SEQ ID NO: 11;~~
 - (a) a polynucleotide encoding a polypeptide ~~having at least 80% sequence identity to, and having at least one epitope in common with, a polypeptide of SEQ ID NO: 2 or SEQ ID NO: 12, wherein said sequence identity is determined by the GAP algorithm under default parameters; and,~~
 - ~~(c)~~ (b) a polynucleotide of SEQ ID NO: 1 or SEQ ID NO: 11.
2. (Previously Presented) A recombinant expression cassette, comprising the polynucleotide of claim 1 operably linked to a promoter.
3. (Original) A host cell comprising the recombinant expression cassette of claim 2.
4. (Previously Presented) A transgenic plant comprising the recombinant expression cassette of claim 2.

Serial No. 10/080,114
Amendment Dated February 22, 2006
Reply to Office Action of December 29, 2005

5. (Original) The transgenic plant of claim 4, wherein said plant is a monocot.
6. (Original) The transgenic plant of claim 4, wherein said plant is a dicot.
7. (Original) The transgenic plant of claim 4, wherein said plant is selected from the group consisting of: maize, soybean, sunflower, sorghum, canola, wheat, alfalfa, cotton, rice, barley, millet, peanut, and cocoa.
8. (Previously Presented) A transgenic seed from the transgenic plant of claim 4.
- 9-21. (Cancelled)